

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A method for the management of telecommunications network elements, comprising management functions of said network elements through a management system and terminals located at said network elements or in operating centers, wherein it is provided an additional management function of said network elements through one or more terminals placed remotely and simulating the functions of said terminals located at said network elements or in operating centers.

2. (original): A method according to claim 1, wherein said remotely placed terminals comprise mobile terminals connected to said management system through one or more networks, for instance GSM and Internet, and using WAP or UMTS communication protocols.

3. (original): A method according to claims 1 or 2, wherein said additional management function of network elements through one or more terminals placed remotely is performed by a software module cooperating with other software modules, which form said management system, located in said network elements, and performs the functions of:

management of the bidirectional communication protocol between said remotely placed terminals and said management system;

management of said network elements by said remotely placed terminals.

4. (original): A method according to claim 3, wherein said software module is integrated with said other software modules in said network elements.

5. (original): A method according to claim 3, wherein said software module is placed outside said network elements in a suitable apparatus.

6. (original): A method according to claim 3, wherein said software module, for said function of carrying out the management of said network elements by said remotely placed terminals, carries out the following operational steps:

in a first step it is waiting for a request from bidirectional communication protocol management function between said remotely placed terminals and said management system;

in a second and third steps, through communication with said other software module, it carries out a conversion of the request from said first step into one or more requests for said other modules for the management of the request itself;

in a fourth step it manages responses to said requests coming from said other software modules, by repeating said third and fourth steps up to the exhaustion thereof;

in a fifth step it creates a file containing information suitable for creating response visual displays on said remotely placed terminals;

in a sixth step it sends said file to said bidirectional communication protocol management function between said remotely placed terminals and said management system and then returns to said first step.

7. (original): A device for the management of telecommunications network elements, comprising a management system, for said network elements, and terminals located at said network elements or in operating centers, wherein it further comprises circuitry for the implementation of the method as in claim 1.

8. (original): A remote terminal comprising an interface for cooperating with the device of claim 7, through WAP or UMTS communication protocols, for the implementation of the method as in claim 1.

9. (original): A telecommunications network comprising a device according to claim 7.

10. (original): A telecommunications network element comprising a device as in claim 7.

11. (currently amended): Computer program comprising an encoder adapted to carry out all the steps of ~~claims~~ claim 3 when said program is run on a computer.

12. (currently amended): Computer-readable medium having a program recorded thereon, said computer-readable medium comprising an encoder adapted to carry out all the steps of ~~claims~~ claim 3 when said program is run on a computer.

13. (new): A method for management of telecommunications network elements, comprising:

- providing at least one network element;
- providing a management system for performing at least first and second management functions on said at least one network element;
- performing said first management functions of said network elements through said management system and at least one local terminal located at said at least one network element;
- and
- performing said second management functions of said at least one network element through at least one remote terminal simulating the first management functions of said at least one local terminal.

14. (new): A device for managing telecommunications network elements, comprising:

- at least one network element;
- at least one local terminal located at said at least one network element;
- at least one remote terminal; and

a management system for said at least one network element, said at least one local terminal and said at least one remote terminal,

wherein the device further comprises circuitry for the implementation of a method, comprising:

performing at least first and second management functions on said at least one network element with said management system;

performing said first management functions of said at least one network element through said management system and said at least one local terminal located at said at least one network element; and

performing said second management functions of said at least one network element through said at least one remote terminal simulating said first management functions of said at least one local terminal.